

Application No. 09/853,127
Amendment Dated October 18, 2004
Reply to the Office Action dated September 16, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-7. (cancelled without prejudice)

8. (original) A cellular system, wherein, in a cell boundary in which a plurality of cells are adjacent to each other, each radio base station constituting the cell boundary diffuses data to be transmitted to the plurality of radio terminals by diffusion codes different from one another, and transmits the data by a plurality of slots corresponding to the plurality of terminals, for the plurality of radio terminals accommodated in the radio base station itself, and among the plurality of slots, a slot different from those selected by an adjacent radio base station constituting the cell boundary is selected, and a transmission beam of the selected slot is transmitted with a beam having a width narrower than that of a transmission beam of the other slot transmitted by the radio base station itself.

9. (original) The radio base station according to claim 8, wherein the selected slot is allotted to a radio terminal having a high request value of any one of a calling QoS and a receiving call QoS.

10. (cancelled without prejudice)

11. (original) A radio base station, comprising:

a time slot preparing unit for preparing a time slot to be transmitted to a radio terminal;

a selecting unit for selecting a modulation system and a coding method of the time slot prepared by the preparing unit;

a signal processing unit for modulating and coding the time slot prepared by the preparing unit according to the modulation system and the coding method selected by the selecting unit;

an amplifying unit for amplifying the slot modulated and coded by the signal processing unit;

an antenna unit for transmitting the time slot amplified by the amplifying unit; and

a controlling unit for controlling the antenna unit to transmit a specified priority slot among the plurality of time slots with a beam having a width narrower than that of a beam of a non-priority slot.

12. (cancelled without prejudice)

13. (original) The radio base station according to claim 11, further comprising a determining unit for determining the priority slot in order that transmission timing of the priority slot can be different from that of a priority slot of the other radio base station located in the direction where the priority slot is transmitted.